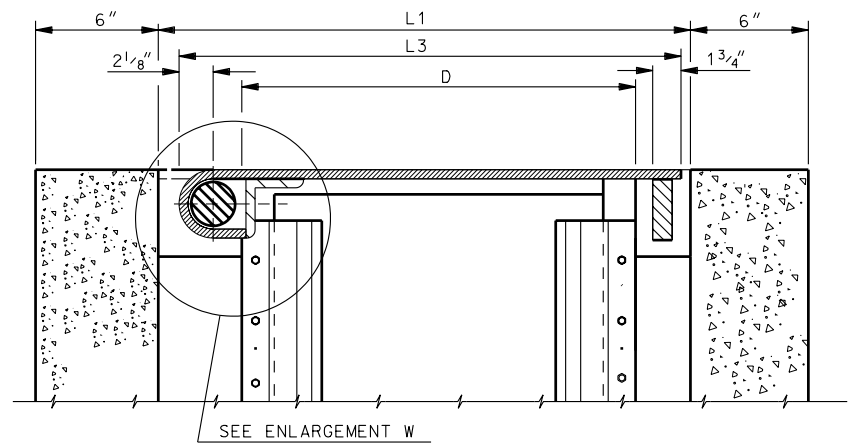
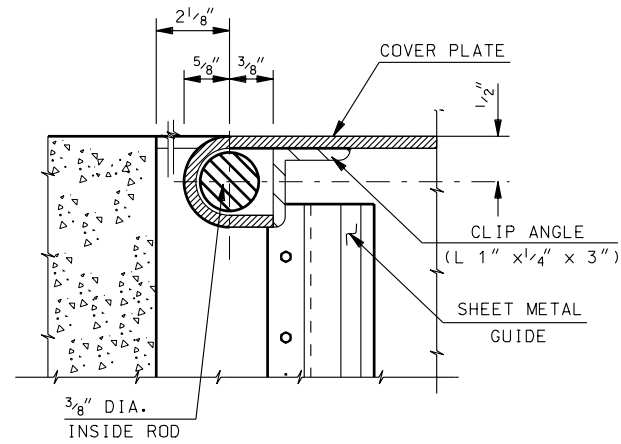


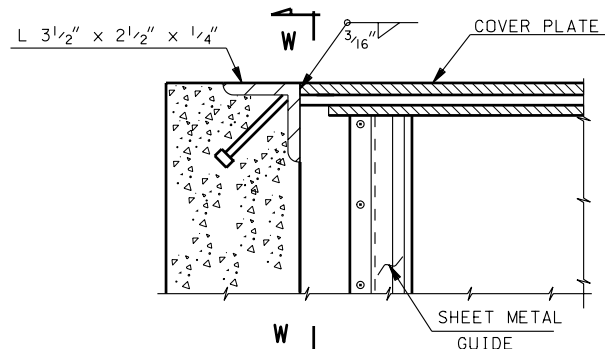
PLAN



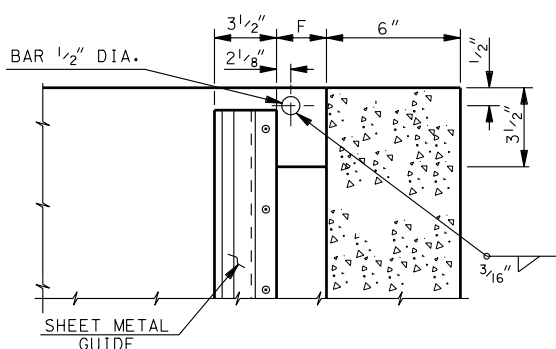
SECTION T-T



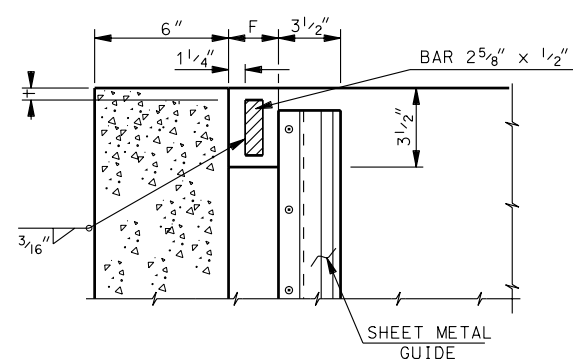
ENLARGEMENT W



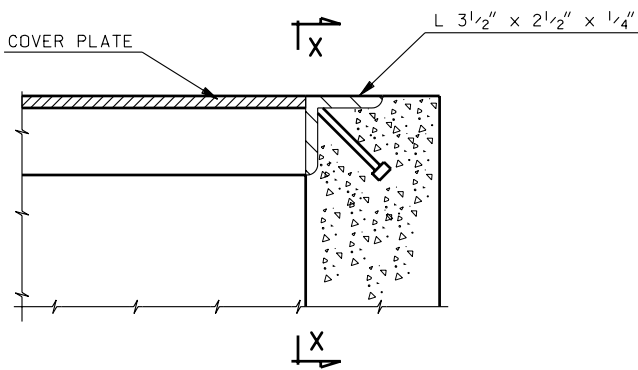
SECTION J-J



SECTION W-W



SECTION X-X



SECTION V-V

SOLID COVER TYPE "B" DETAILS

NOTES:

1. PREFORMED JOINT MATERIAL: AASHTO DESIGNATION M 213
2. ALL STRUCTURAL STEEL EITHER STRUCTURAL CARBON STEEL CONFORMING TO AASHTO DESIGNATION M 270, GRADE 36 OR A RAISED PATTERN CARBON STEEL (U.S. STEEL S 300) OR USED IN SIDEWALK LOCATIONS ONLY.
3. HOT DIP GALVANIZE HINGED LID SOLID COVERS AFTER FABRICATION IN ACCORDANCE WITH AASHTO DESIGNATION M 111 (ASTM A 123).
4. WHEN HINGED LID IS PLACED IN SIDEWALK LOCATIONS, PROVIDE A RUBBED FINISH FOR ALL BEARING SURFACES AT TOP OF WALL. AT THE DISCRETION OF THE ENGINEER, RECESS THE COVER PLATE THE THICKNESS OF THE COVER PLATE AND USE A CEMENT GROUT ON ALL BEARING SURFACES TO LEVEL THE HINGED LID.
5. DO NOT USE THIS DRAWING IN ROADWAY APPLICATIONS WHERE THE HINGED LID IS SUBJECTED TO A WHEEL LOAD.
6. AUTOMATICALLY END WELD THE 1/2 inch x 4 1/8 inch H4-L NELSON CONCRETE ANCHOR TO THE FILLET OF THE ANGLE. CENTER ANCHOR ABOUT FILLET.

DESIGN DATA

THE DESIGN IS IN ACCORDANCE WITH CURRENT AASHTO AND INTERIM SPECIFICATIONS.
LOADING - COVER PLATES ARE DESIGNED FOR A LOAD OF 600 lbs/sq ft +
Fs=20,000 psi

SOLID COVER TYPE "B" DIMENSIONS								
LINE NO.	HAND SLIDE GATE		WALL SIZE	COVER PLATE				
	A	B		L1	D	F	L2	L3 +
1	12	12	2'-0	1'-4 1/4	3"	1'-9	1'-10	1/4"
2	18	18	2'-6	1'-10 1/4	3"	2'-3	2'-4	1/4"
3	24	24	3'-0	2'-4 1/4	3"	2'-9	2'-10	1/4"
4	36	24	4'-4	3'-5 1/4	5"	4'-1	4'-2	1/4"

REVISIONS				REMARKS
NO.	DATE	APPR.	DATE	

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
SALT LAKE CITY, UTAH

RECOMMENDED FOR APPROVAL
CHAIRMAN STANDARDS COMMITTEE
APPROVED

DEPUTY DIRECTOR

JULY 03, 2002
DATE

JULY 03, 2002
DATE

STANDARD DIVERSION BOX
HINGED LID SOLID COVER
TYPE "B" DETAILS

STANDARD DRAWING TITLE